

FIG. 1(a)

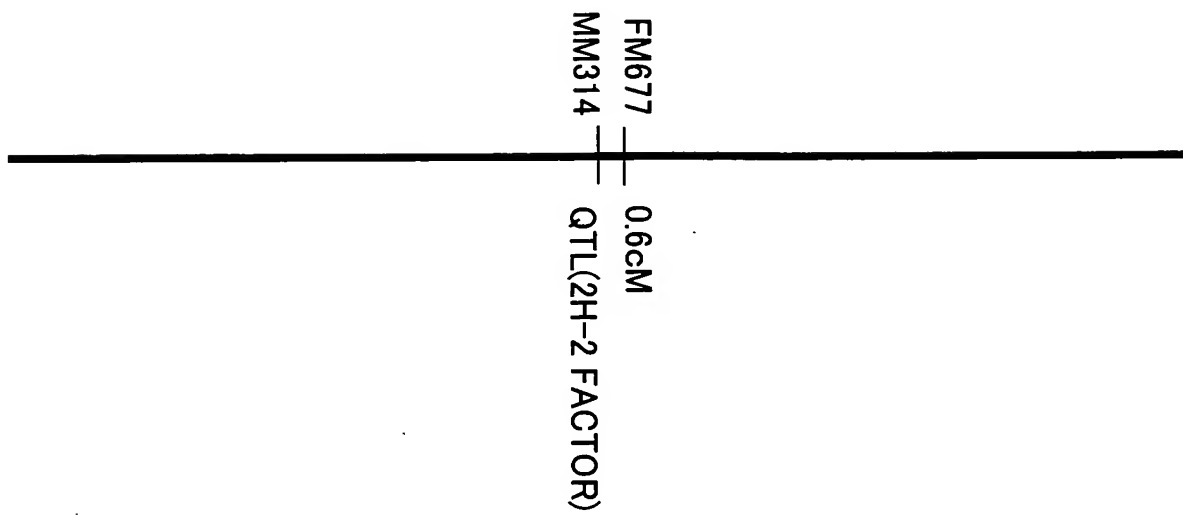
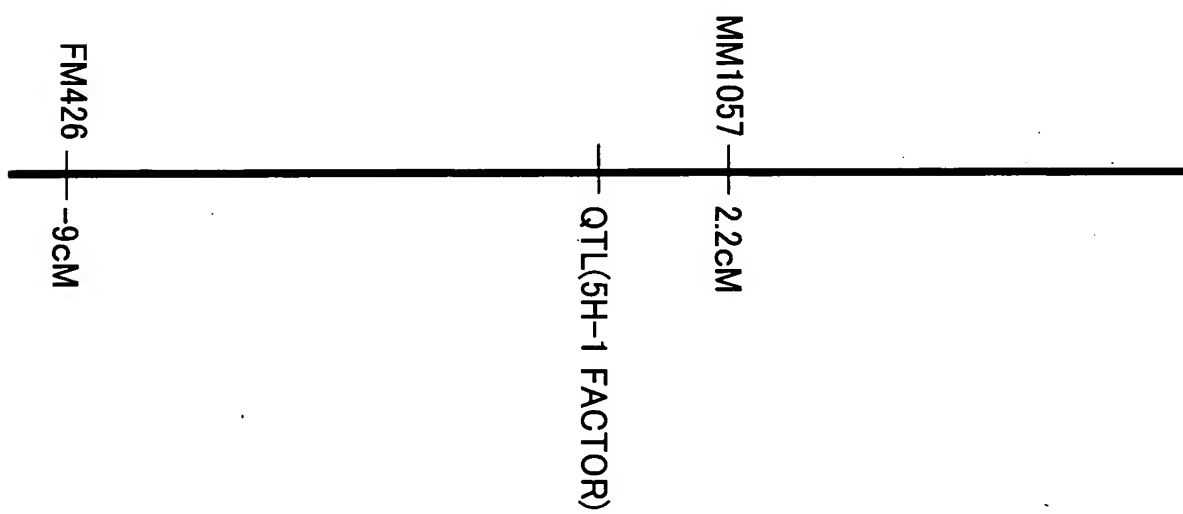


FIG. 1(b)



**FIG. 2 (a)**

GCACGTAGCGTTCAACATCACATCTCATCTTTGGCAAAGAAATGGTCAATCGGCACACT  
 CTCAGTTTTTTGCACCAAATGTCCCATGAGACCACCAACATGTGCTTCCCGCAATAGTA  
 GTAAACGAACAAAGCAATCTAGAATGCATAGTTTGTTAGCACGAAACAGGAAACCATCAT  
GCACATAAAACTTTTCCCAACCCTTTCC

**FIG. 2 (b)**

GCACGTAGCGTTCAACATCACATCTCATCTTTGGCAAAGAAATGGTCAATCGGCACACT  
 CTCAGTTTTTTGCACCAAATGTCCCATGAGACCACCAACATGTGCTTCCCGCAATAGTA  
 GTAAACGAACAAAGCTATCTAGAATGCATAGTTTGTTAGCACGAAACAGGAAACCATCAT  
GCACATAAAACTTTTCCCAACCCTTTCC

**FIG. 2 (c)**

CCGTGTGTCGTCTAGGTCAACCATGACAACAACACTACGTGTGGTCGTGACTTTGGCCTGCT  
 GTTGTACCTCACCATGGATTGTGGTCTCCATCAAAAGTTATTTGTGAGAGTTTCATCTC  
 TGCAGATCTGGTGGTTGACTTTGGTGGCATGATCATAACTATGGACGGAGTCTTGATCCG  
 GAGGGATGGTTGTGCGCAACGAAGGTCACATTGCATGTAATTGTTTCNGATCACGGAAGA  
GTGATGGCGAAAACACATGAGTGACTTCAATGGTGGTGTACTTCAGTATCCGGTATCAA  
GCTTCANGGCAAAGCCTACGTCCCACCAAAGTTG

**FIG. 2 (d)**

CCGTGTGTCGTCTAGGTCAACCATGACAACAACACTACGTGTGGTCGTGACTTTGGCCTGCT  
 GTTGTACCTCACCATGGATTGTGGTCTCCATCAAAAGTTATTTGTGAGAGTTTCATCTC  
 TGCAGATCTGGTGGTTGACTTTGGTGGCATGATCATAACTATGGACGGAGTCTTGATCCG  
 GAGGGATGGTTGTGCGCAACGAAGGTCACATTGCATGTAATTGTTTCNGATCACGGAAGA  
GTGATGGCGAAAACACATGAGTGACTTCAATGGTGGTGTACTTCAGTATCCGGTATCAA  
GCTTCANGGCAAAGCCTACGTCCCACCAAAGTTG

FIG. 3(a)

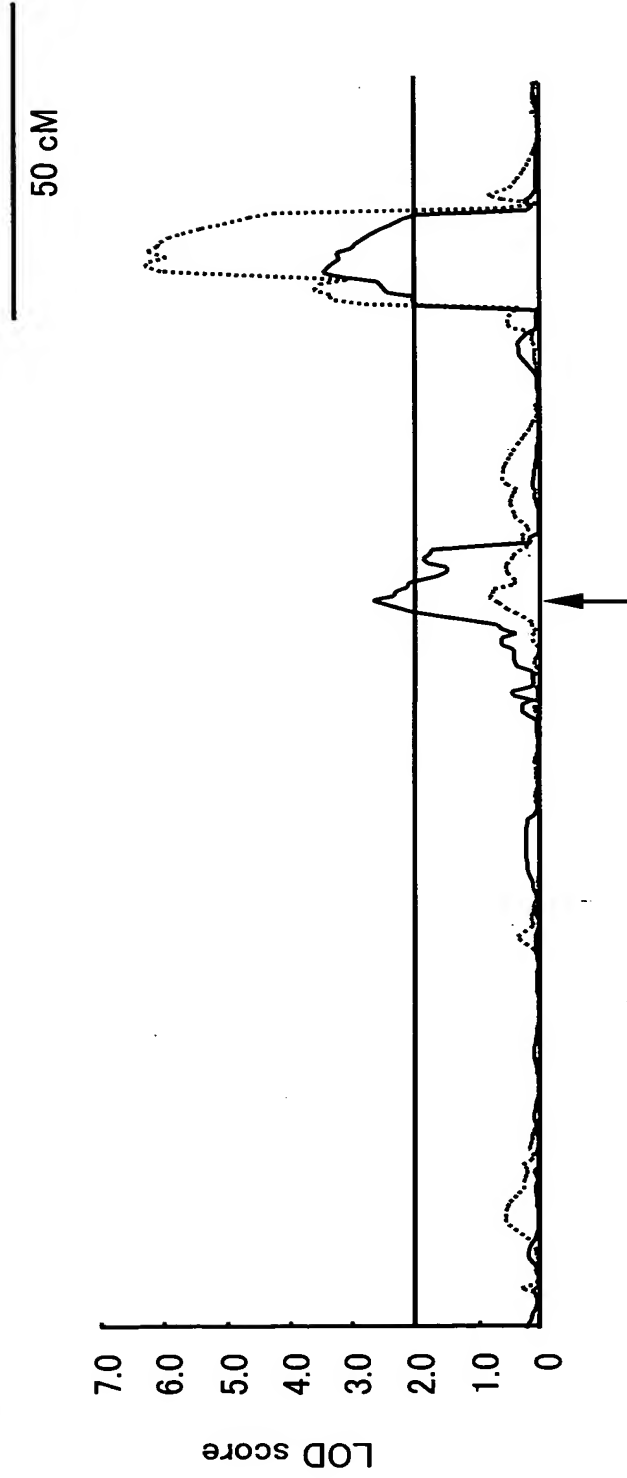


FIG. 3(b)

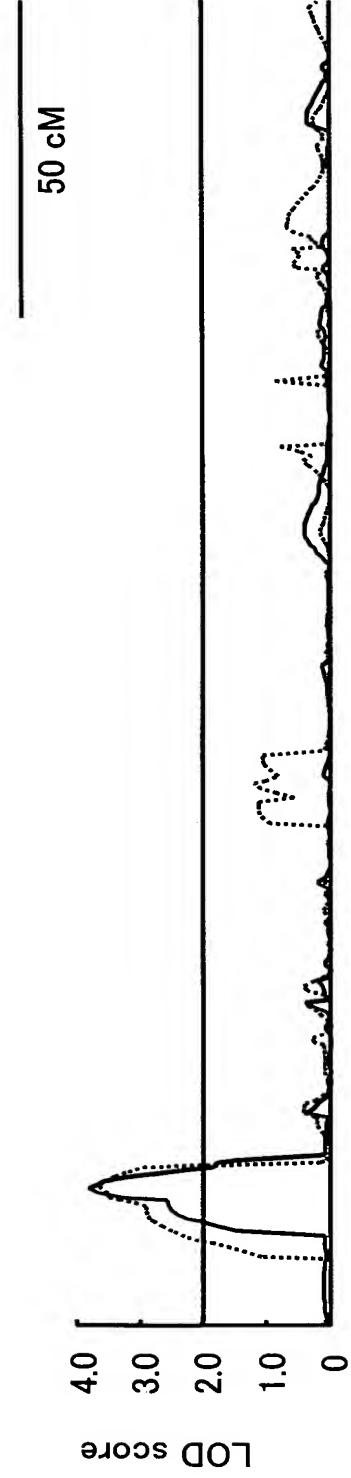


FIG. 4

Number of cycles	Time	Temp.
1	5min.	94°C
30	0. 5min.	94°C
	0. 5min.	60°C
	1. 5min.	72°C
1	5min.	72°C
	Constant	4°C

FIG. 5 (a)

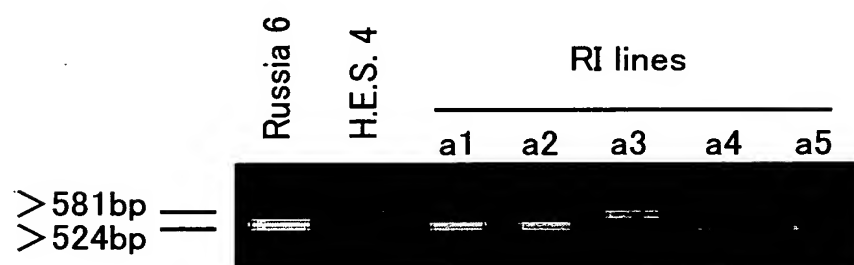


FIG. 5 (b)

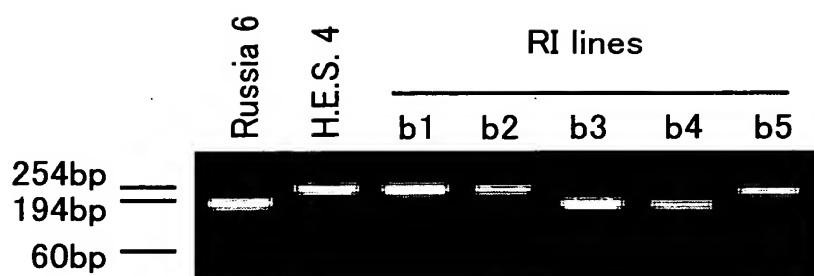
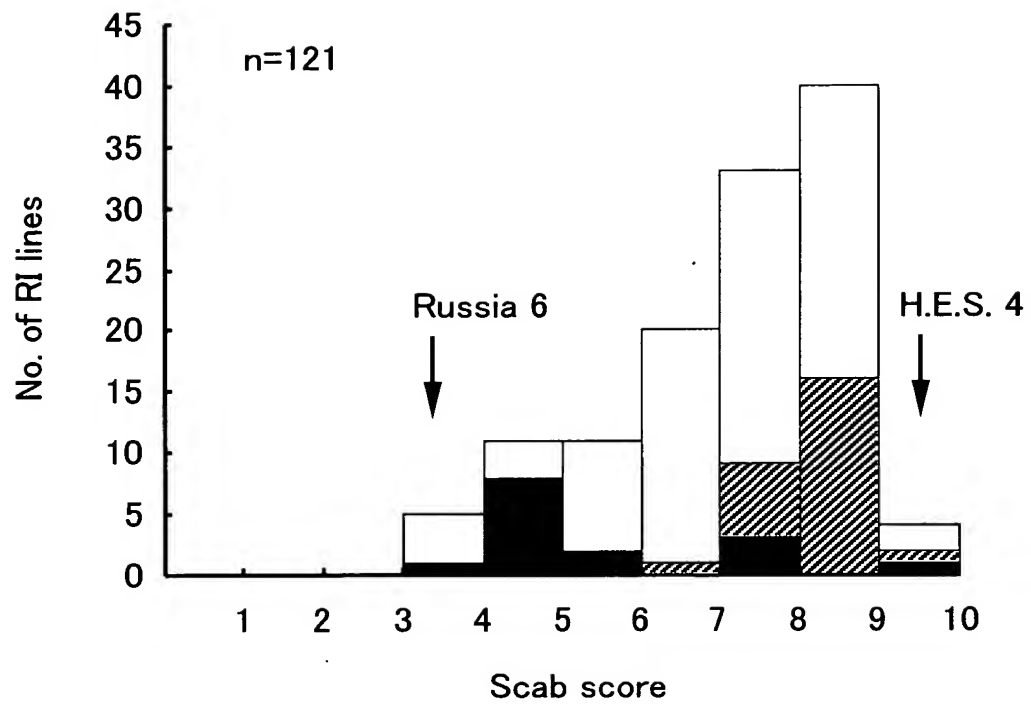


FIG. 6



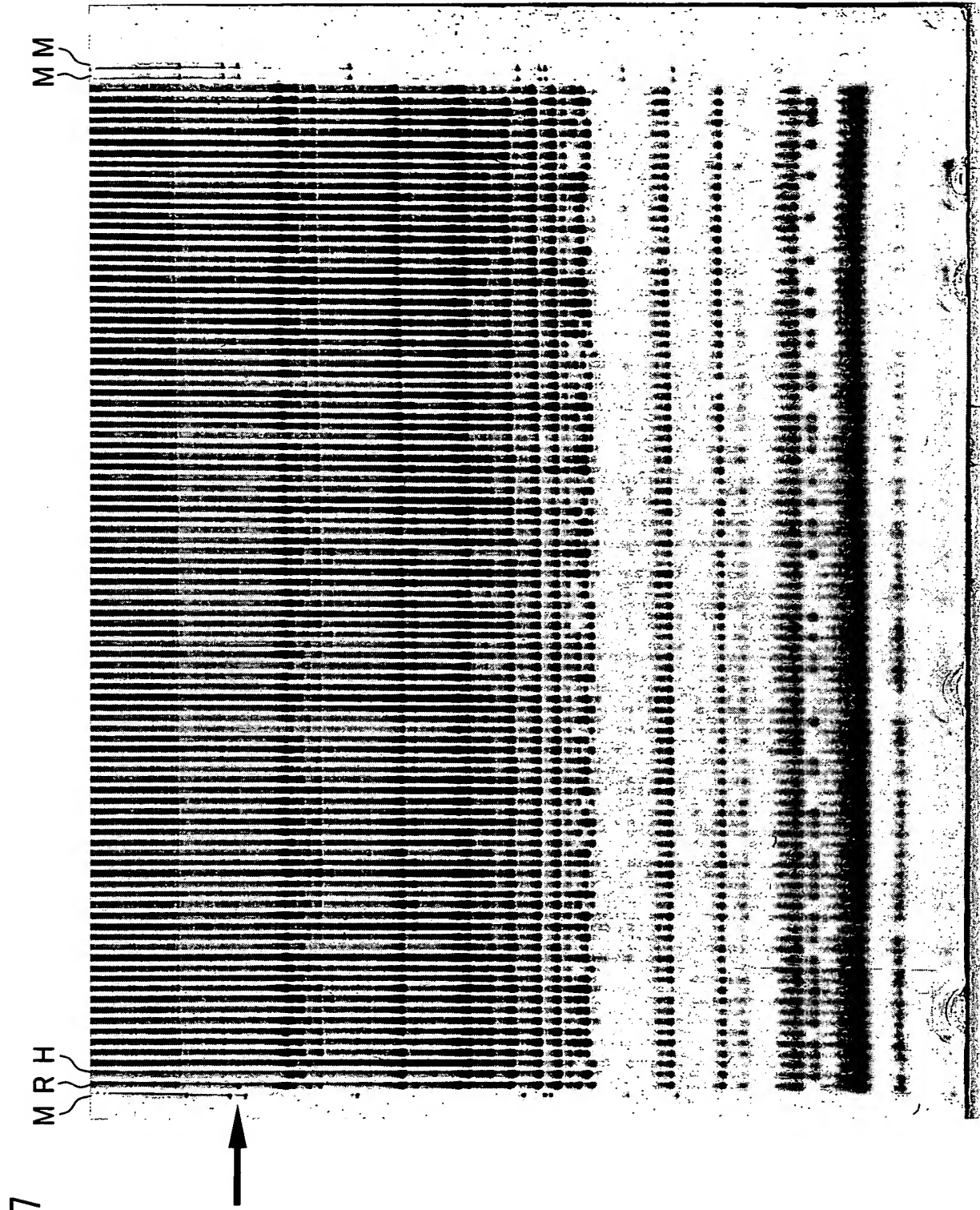


FIG. 7

LEFT LANE ← → RIGHT LANE

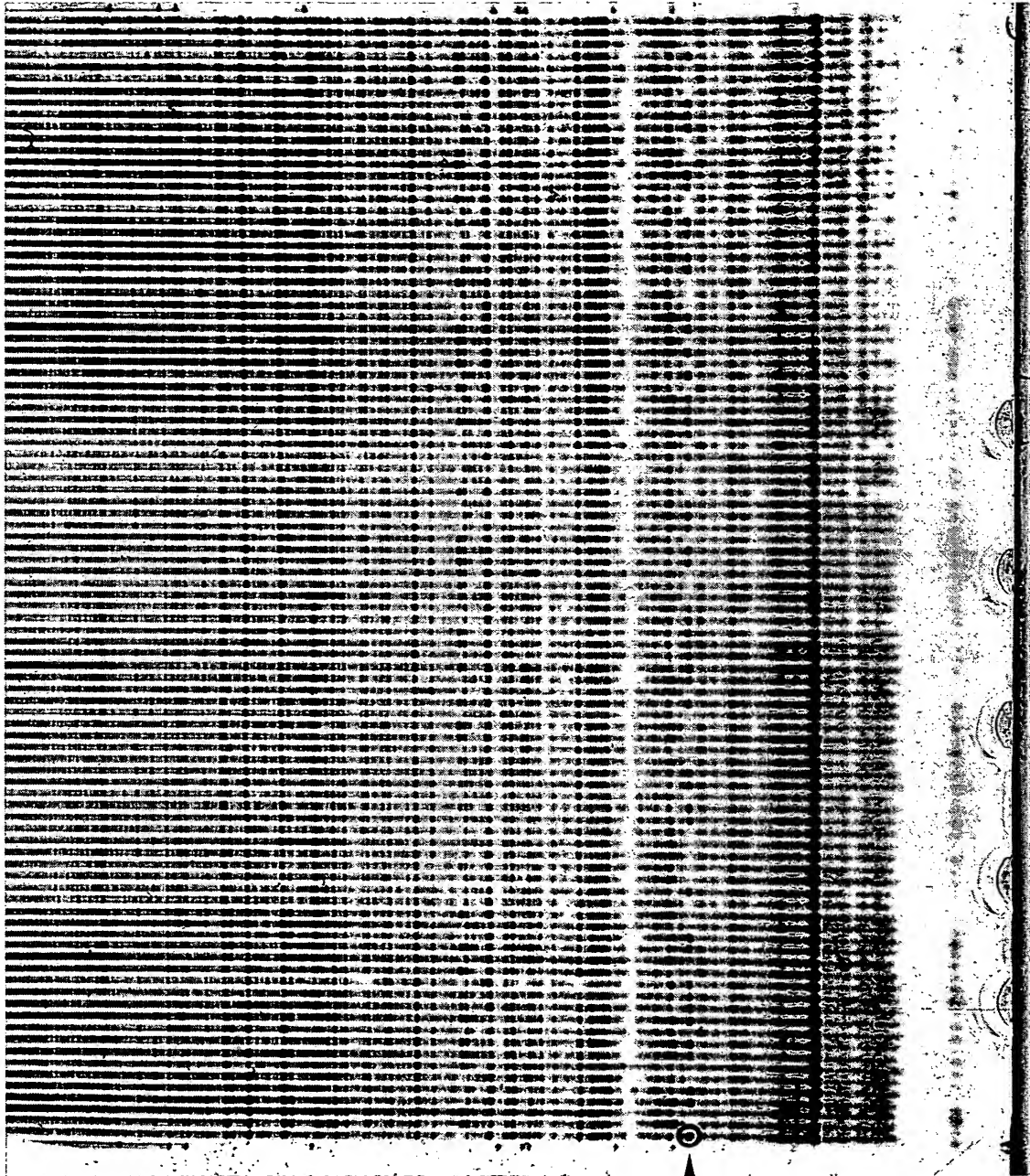


FIG. 8

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LEFT LANE ← → RIGHT LANE

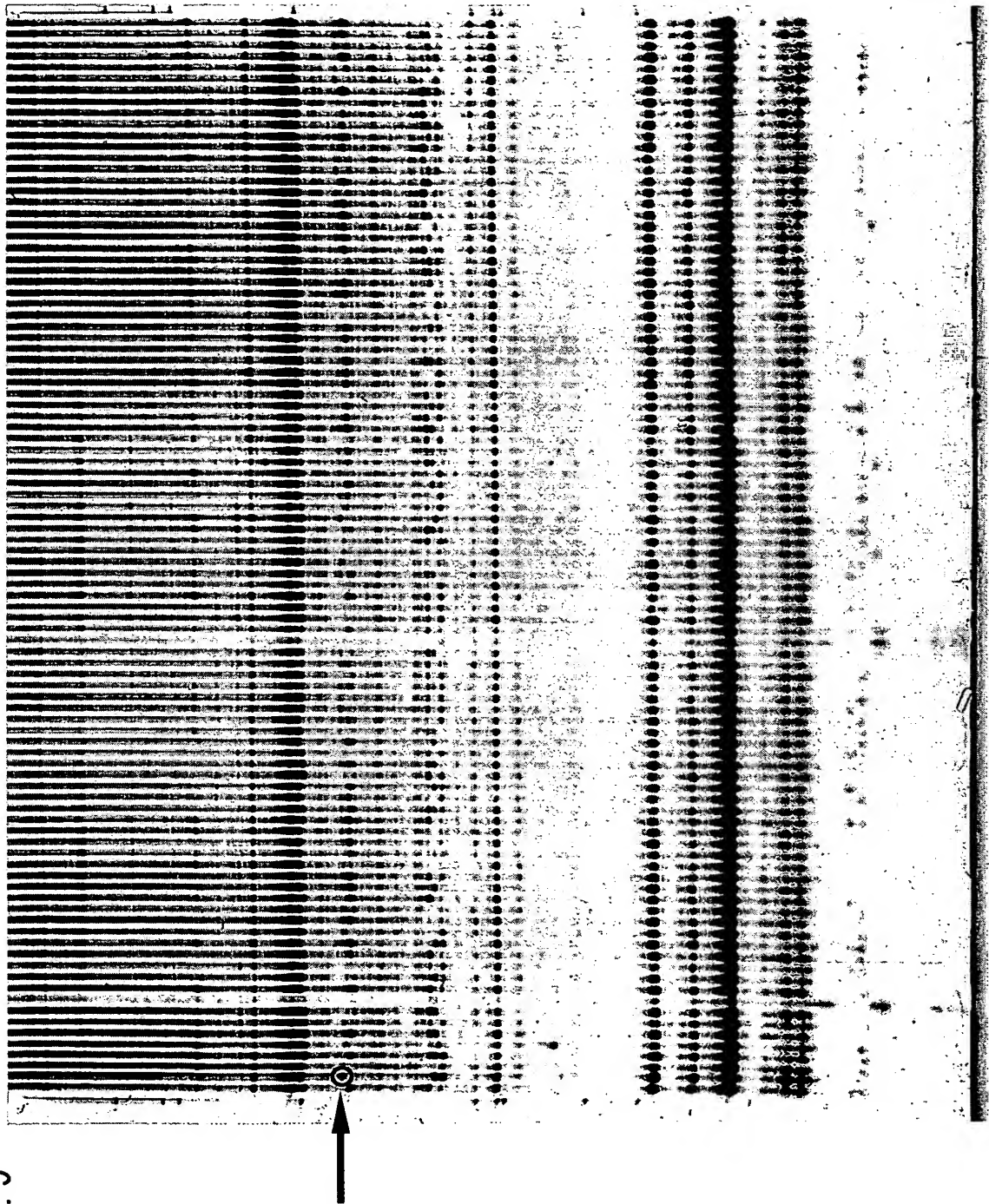


FIG. 9

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LEFT LANE ← → RIGHT LANE

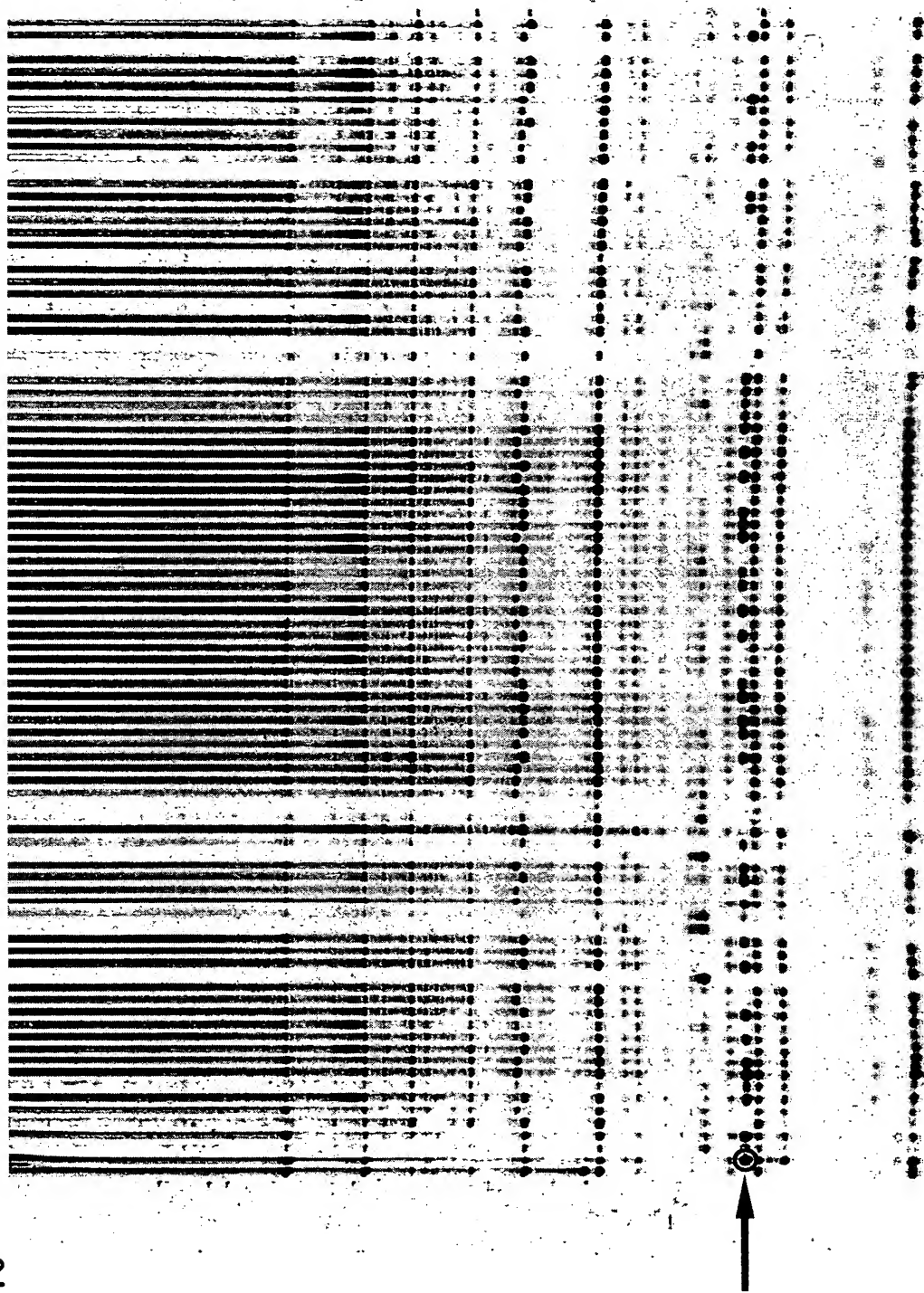


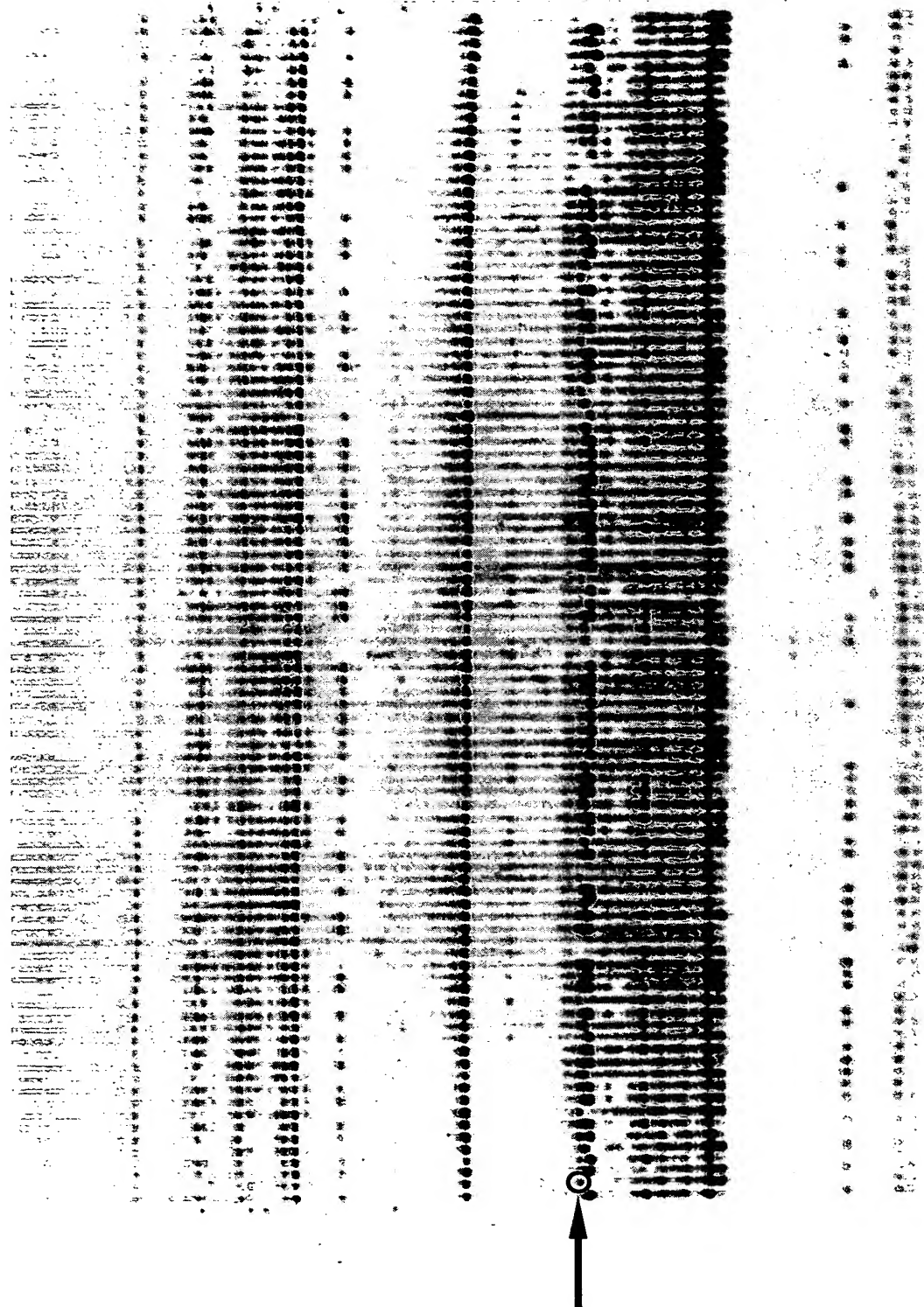
FIG. 10

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LEFT LANE ← → RIGHT LANE

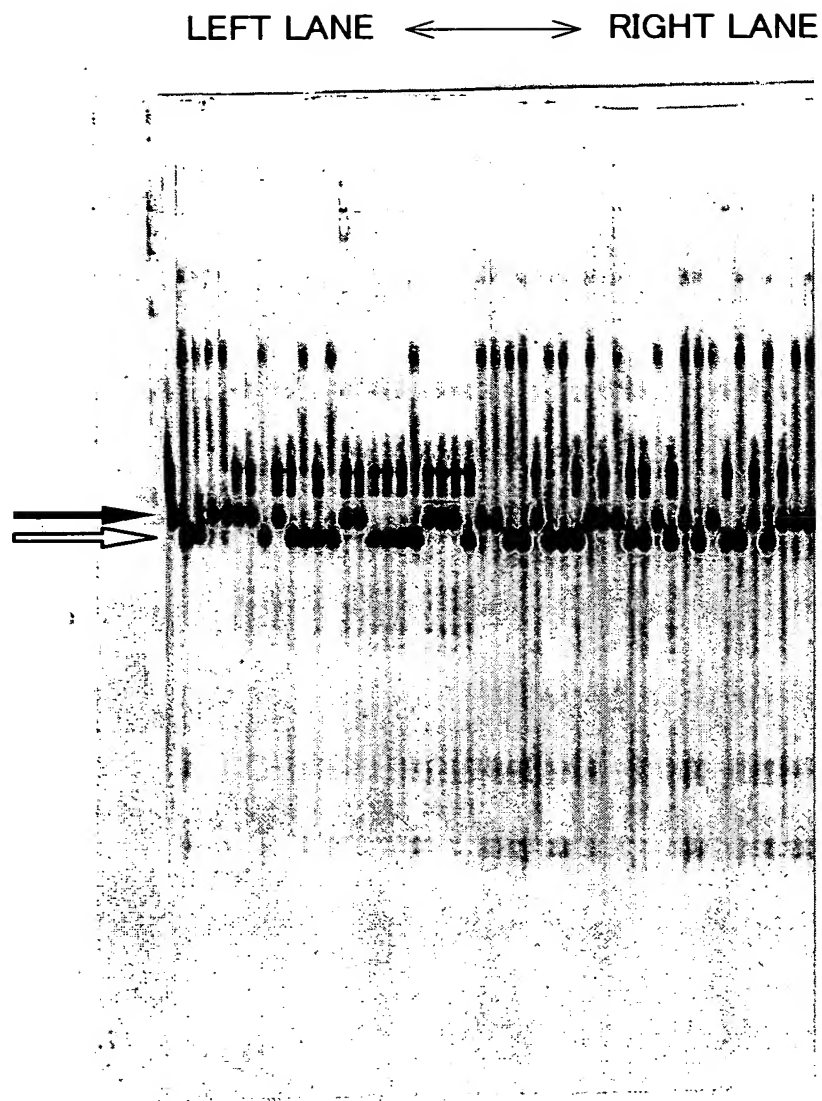
FIG. 11



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1 1/2 0

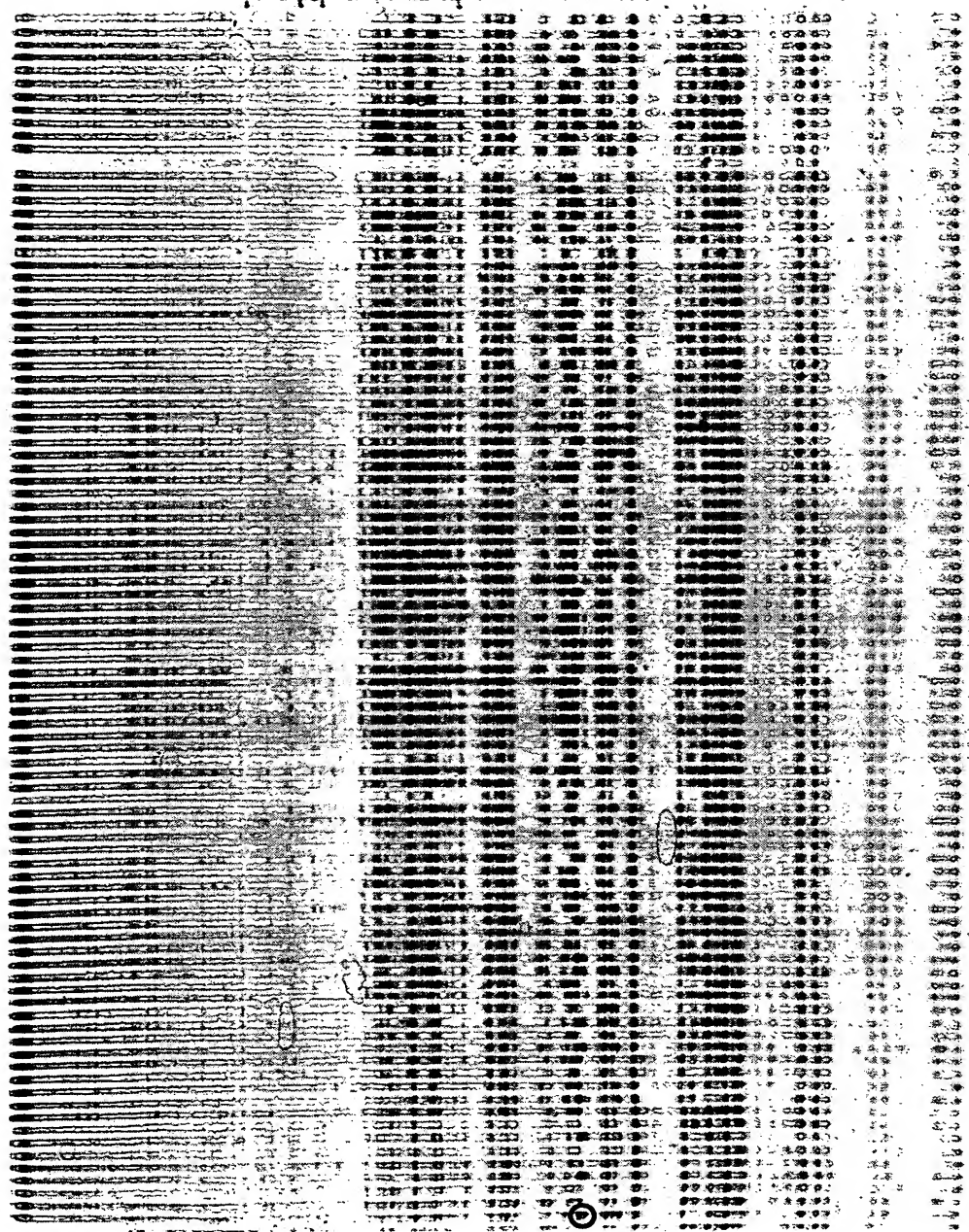
FIG. 12



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FIG. 13

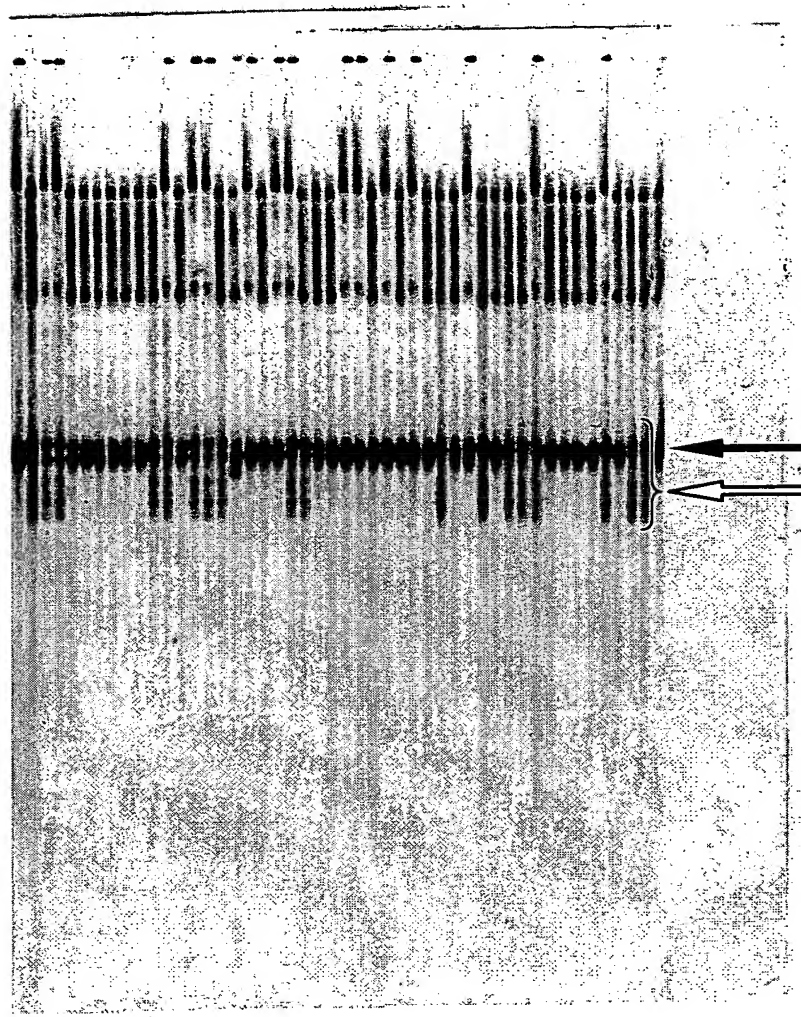
LEFT LANE ← → RIGHT LANE



1 3 / 2 0

FIG. 14

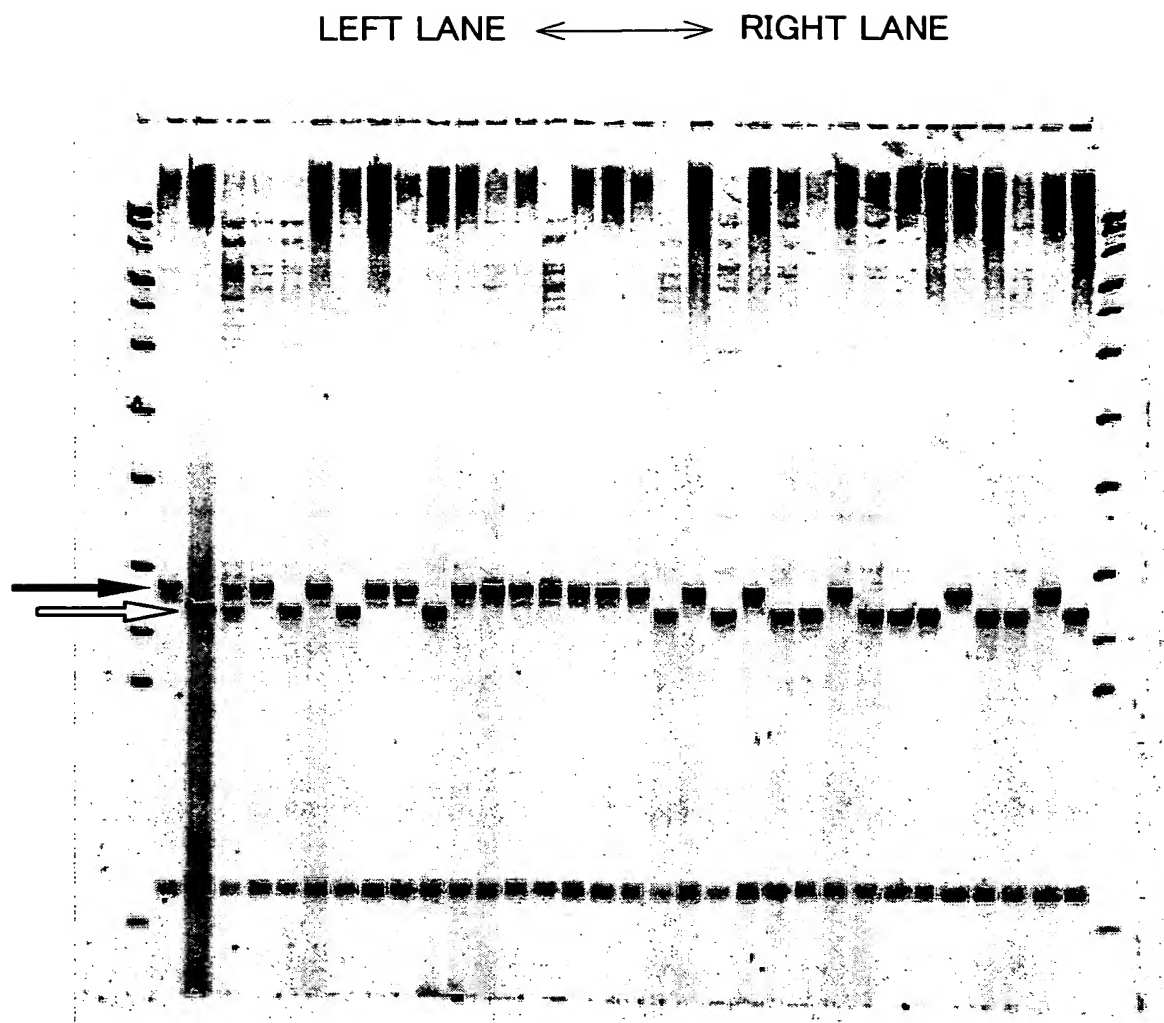
LEFT LANE  $\longleftrightarrow$  RIGHT LANE



BEST AVAILABLE COPY

1 4 / 2 0

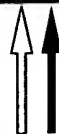
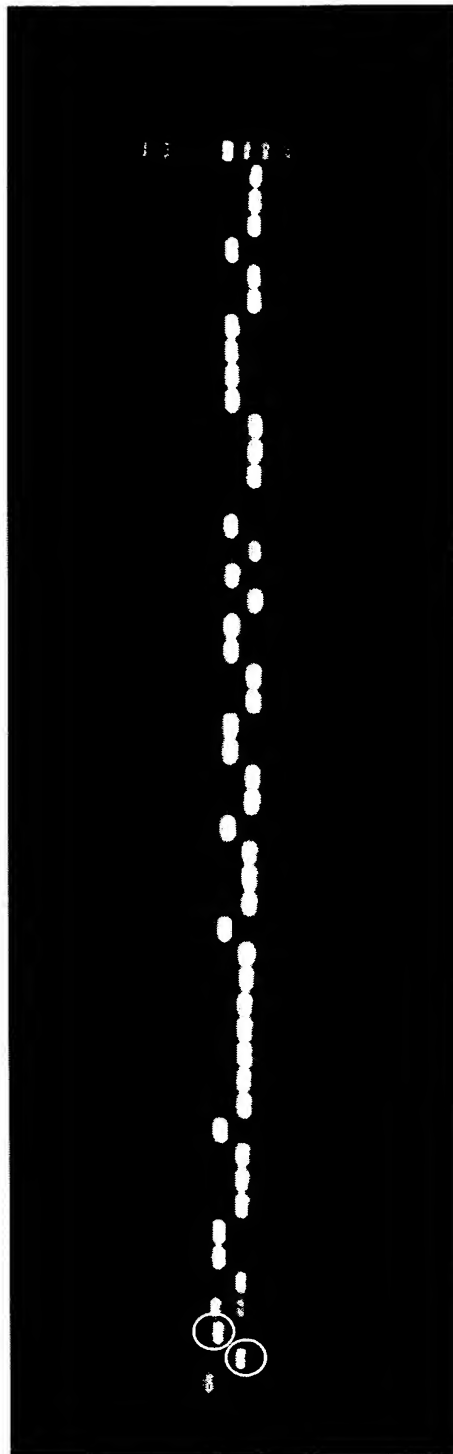
FIG. 15



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FIG. 16

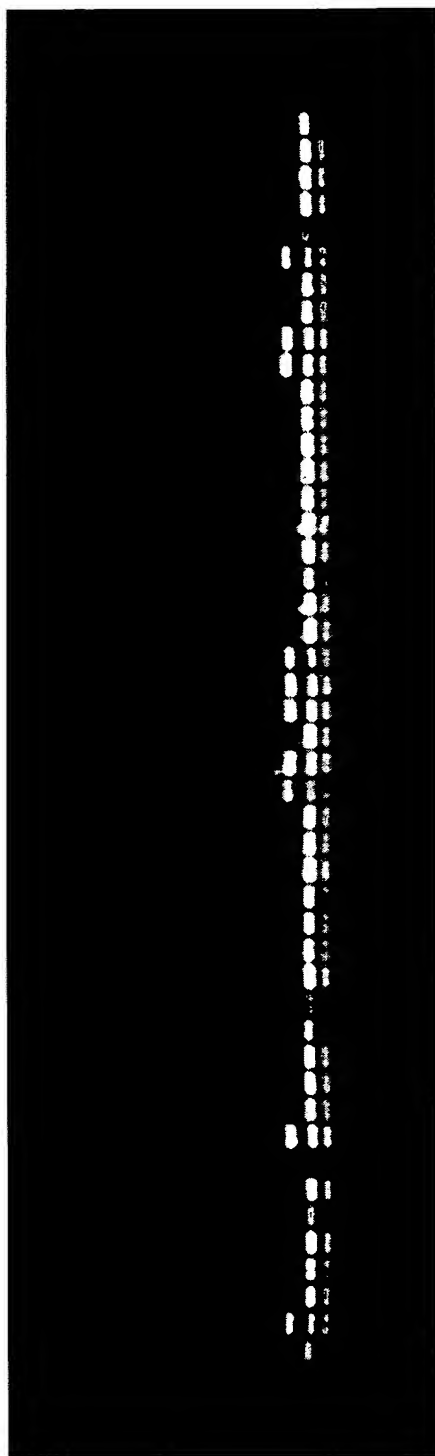
LEFT LANE ← → RIGHT LANE



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FIG. 17

LEFT LANE ← → RIGHT LANE

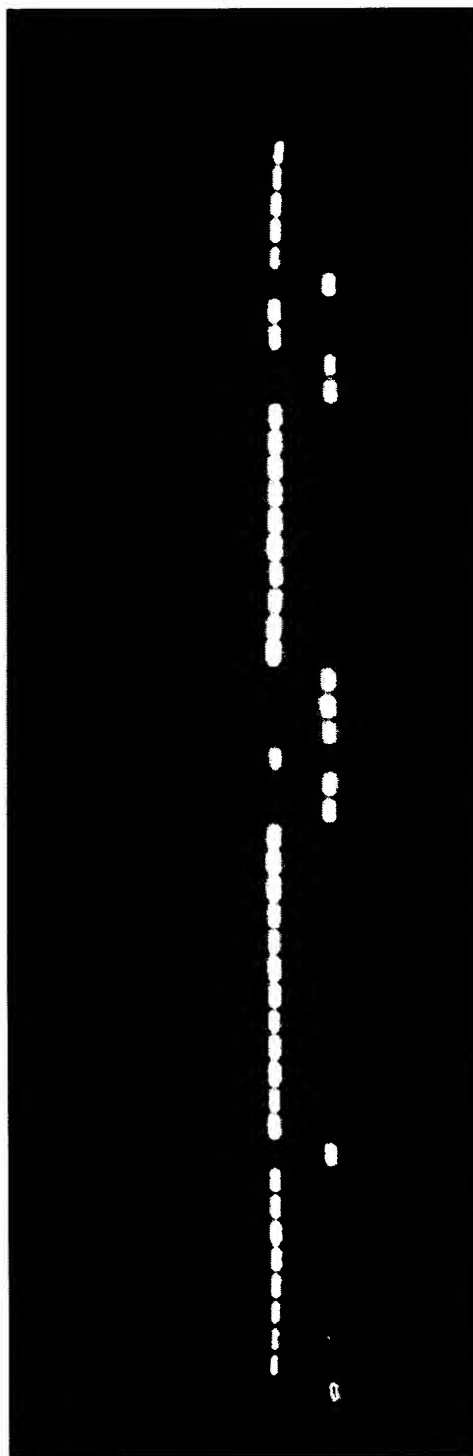


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FIG. 18

LEFT LANE ← → RIGHT LANE

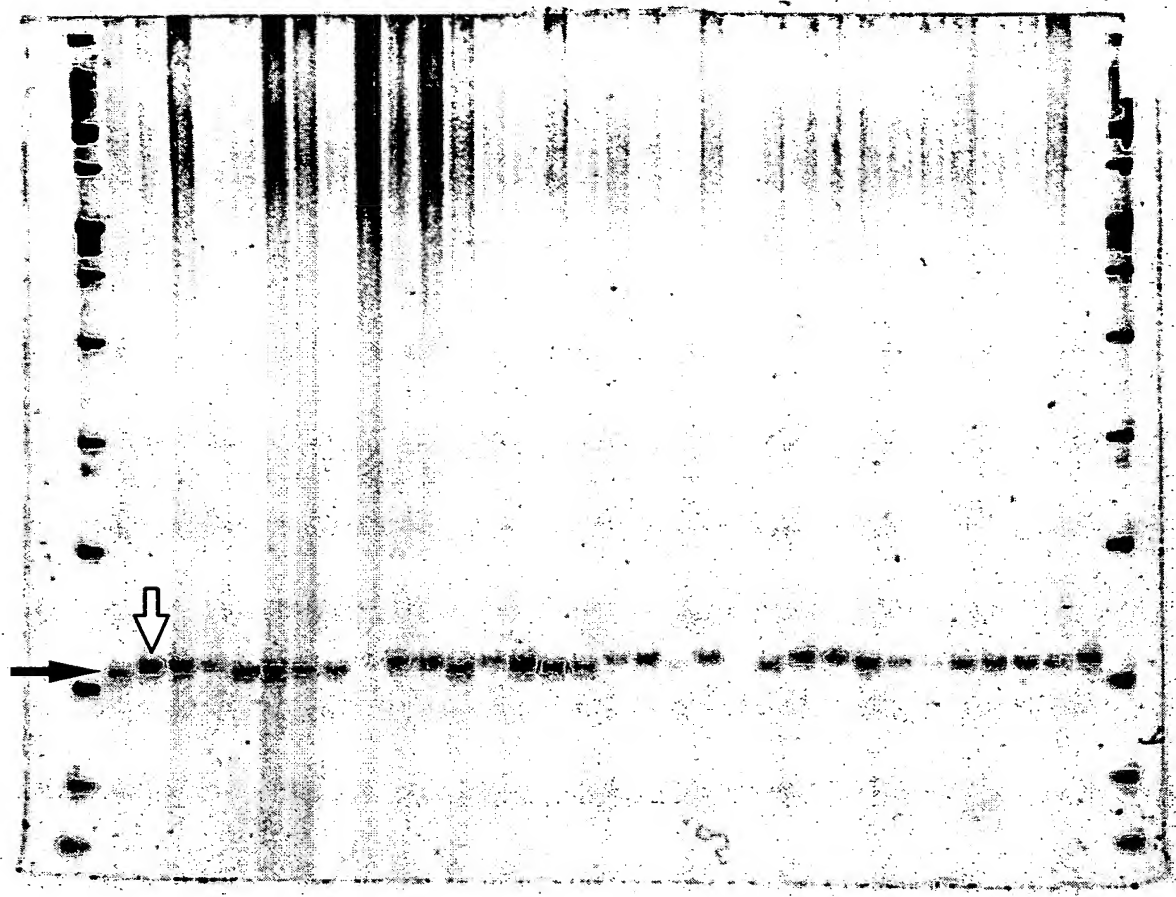


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1 8 / 2 0

FIG. 19

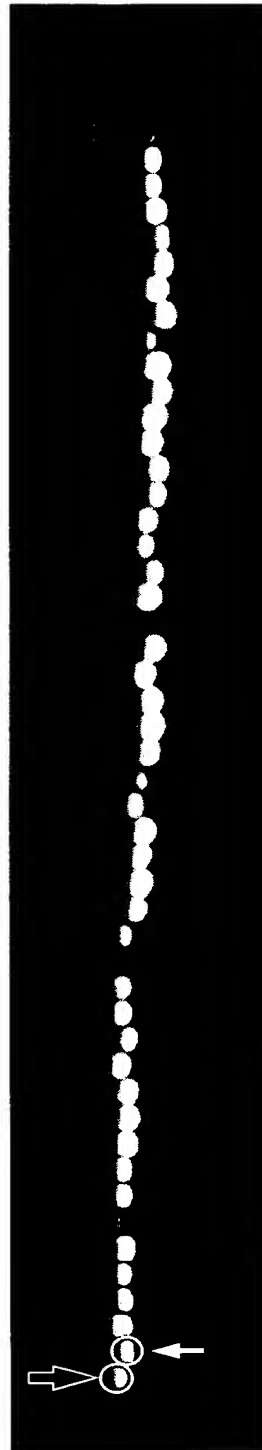
LEFT LANE  $\longleftrightarrow$  RIGHT LANE



BEST AVAILABLE COPY

FIG. 20

LEFT LANE ← → RIGHT LANE



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FIG. 21

H602 : GAAAACATGCCGGTGAAGTCA  
*HapII*  
 HARUNANIJO : GAAAACATGCAGGTGAAGTCA

FIG. 22

H602 : GCGGGCGCCGTGGGTGAGCG  
 HARUNANIJO : GCGGGCGCCGCGGGTGAGCG  
*SacII*